

## SEQUENCE LISTING

<110> MOUILLAC, BERNARD  
 SEN, TUHNADRI  
 BANERES, JEAN-LOUIS

<120> A METHOD OF PRODUCING A RECOMBINANT PROTEIN AND A  
 PROTEIN PRODUCED BY THE METHOD

<130> BDM-05-1792

<140> 10/561,107

<141> 2005-12-15

<150> PCT/FR04/01538

<151> 2004-06-18

<150> FR 0307411

<151> 2003-06-19

<160> 16

<170> PatentIn Ver. 3.3

<210> 1

<211> 288

<212> PRT

<213> Homo sapiens

<400> 1

Met	Gly	Gln	Ile	Leu	Ser	Ala	Thr	Gln	Glu	Gln	Ile	Ala	Glu	Ser	Tyr	1	5	10	15
Tyr	Pro	Glu	Tyr	Leu	Ile	Asn	Leu	Val	Gln	Gly	Gln	Leu	Gln	Thr	Arg	20	25	30	
Gln	Ala	Ser	Ser	Ile	Tyr	Asp	Asp	Ser	Tyr	Leu	Gly	Tyr	Ser	Val	Ala	35	40	45	
Val	Gly	Glu	Phe	Ser	Gly	Asp	Asp	Thr	Glu	Asp	Phe	Val	Ala	Gly	Val	50	55	60	
Pro	Lys	Gly	Asn	Leu	Thr	Tyr	Gly	Tyr	Val	Thr	Ile	Leu	Asn	Gly	Ser	65	70	75	80
Asp	Ile	Arg	Ser	Leu	Tyr	Asn	Phe	Ser	Gly	Glu	Gln	Met	Ala	Ser	Tyr	85	90	95	
Phe	Gly	Tyr	Ala	Val	Ala	Ala	Thr	Asp	Val	Asn	Gly	Asp	Gly	Leu	Asp	100	105	110	
Asp	Leu	Leu	Val	Gly	Ala	Pro	Leu	Leu	Met	Asp	Arg	Thr	Pro	Asp	Gly	115	120	125	
Arg	Pro	Gln	Glu	Val	Gly	Arg	Val	Tyr	Val	Tyr	Leu	Gln	His	Pro	Ala	130	135	140	

Gly Ile Glu Pro Thr Pro Thr Leu Thr Leu Thr Gly His Asp Glu Phe  
 145 150 155 160  
 Gly Arg Phe Gly Ser Ser Leu Thr Pro Leu Gly Asp Leu Asp Gln Asp  
 165 170 175  
 Gly Tyr Asn Asp Val Ala Ile Gly Ala Pro Phe Gly Gly Glu Thr Gln  
 180 185 190  
 Gln Gly Val Val Phe Val Phe Pro Gly Gly Pro Gly Gly Leu Gly Ser  
 195 200 205  
 Lys Pro Ser Gln Val Leu Gln Pro Leu Trp Ala Ala Ser His Thr Pro  
 210 215 220  
 Asp Phe Phe Gly Ser Ala Leu Arg Gly Gly Arg Asp Leu Asp Gly Asn  
 225 230 235 240  
 Gly Tyr Pro Asp Leu Ile Val Gly Ser Phe Gly Val Asp Lys Ala Val  
 245 250 255  
 Val Tyr Arg Gly Arg Pro Ile Val Ser Ala Ser Ala Ser Leu Thr Ile  
 260 265 270  
 Phe Pro Ala Met Phe Asn Pro Glu Glu Arg Ser Cys Ser Leu Glu Gly  
 275 280 285

<210> 2

<211> 286

<212> PRT

<213> Homo sapiens

<400> 2

Met Gly Gln Leu Ile Ser Asp Gln Val Ala Glu Ile Val Ser Lys Tyr  
 1 5 10 15  
 Asp Pro Asn Val Tyr Ser Ile Lys Tyr Asn Asn Gln Leu Ala Thr Arg  
 20 25 30  
 Thr Ala Gln Ala Ile Phe Asp Asp Ser Tyr Leu Gly Tyr Ser Val Ala  
 35 40 45  
 Val Gly Asp Phe Asn Gly Asp Gly Ile Asp Asp Phe Val Ser Gly Val  
 50 55 60  
 Pro Arg Ala Ala Arg Thr Leu Gly Met Val Tyr Ile Tyr Asp Gly Lys  
 65 70 75 80  
 Asn Met Ser Ser Leu Tyr Asn Phe Thr Gly Glu Gln Met Ala Ala Tyr  
 85 90 95  
 Phe Gly Phe Ser Val Ala Ala Thr Asp Ile Asn Gly Asp Asp Tyr Ala  
 100 105 110  
 Asp Val Phe Ile Gly Ala Pro Leu Phe Met Asp Arg Gly Ser Asp Gly  
 115 120 125

Lys Leu Gln Glu Val Gly Gln Val Ser Val Ser Leu Gln Arg Ala Ser  
 130 135 140  
 Gly Asp Phe Gln Thr Thr Lys Leu Asn Gly Phe Glu Val Phe Ala Arg  
 145 150 155 160  
 Phe Gly Ser Ala Ile Ala Pro Leu Gly Asp Leu Asp Gln Asp Gly Phe  
 165 170 175  
 Asn Asp Ile Ala Ile Ala Ala Pro Tyr Gly Gly Glu Asp Lys Lys Gly  
 180 185 190  
 Ile Val Tyr Ile Phe Asn Gly Arg Ser Thr Gly Leu Asn Ala Val Pro  
 195 200 205  
 Ser Gln Ile Leu Glu Gly Gln Trp Ala Ala Arg Ser Met Pro Pro Ser  
 210 215 220  
 Phe Gly Tyr Ser Met Lys Gly Ala Thr Asp Ile Asp Lys Asn Gly Tyr  
 225 230 235 240  
 Pro Asp Leu Ile Val Gly Ala Phe Gly Val Asp Arg Ala Ile Leu Tyr  
 245 250 255  
 Arg Ala Arg Pro Val Ile Thr Val Asn Ala Gly Leu Glu Val Tyr Pro  
 260 265 270  
 Ser Ile Leu Asn Gln Asp Asn Lys Thr Cys Ser Leu Pro Gly  
 275 280 285

<210> 3  
 <211> 286  
 <212> PRT  
 <213> Homo sapiens

<400> 3  
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 1 5 10 15  
 Arg Pro Gly Ile Leu Leu Trp His Val Ser Ser Gln Ser Leu Ser Phe  
 20 25 30  
 Asp Ser Ser Asn Pro Glu Tyr Phe Asp Gly Tyr Trp Gly Tyr Ser Val  
 35 40 45  
 Ala Val Gly Glu Phe Asp Gly Asp Leu Asn Thr Thr Glu Tyr Val Val  
 50 55 60  
 Gly Ala Pro Thr Trp Ser Trp Thr Leu Gly Ala Val Glu Ile Leu Asp  
 65 70 75 80  
 Ser Tyr Tyr Gln Arg Leu His Arg Leu Arg Ala Glu Gln Met Ala Ser  
 85 90 95  
 Tyr Phe Gly His Ser Val Ala Val Thr Asp Val Asn Gly Asp Gly Arg  
 100 105 110

His Asp Leu Leu Val Gly Ala Pro Leu Tyr Met Glu Ser Arg Ala Asp  
 115 120 125  
 Arg Lys Leu Ala Glu Val Gly Arg Val Tyr Leu Phe Leu Gln Pro Arg  
 130 135 140  
 Gly Pro His Ala Leu Gly Ala Pro Ser Leu Leu Leu Thr Gly Thr Gln  
 145 150 155 160  
 Leu Tyr Gly Arg Phe Gly Ser Ala Ile Ala Pro Leu Gly Asp Leu Asp  
 165 170 175  
 Arg Asp Gly Tyr Asn Asp Ile Ala Val Ala Ala Pro Tyr Gly Gly Pro  
 180 185 190  
 Ser Gly Arg Gly Gln Val Leu Val Phe Leu Gly Gln Ser Glu Gly Leu  
 195 200 205  
 Arg Ser Arg Pro Ser Gln Val Leu Asp Ser Pro Phe Pro Thr Gly Ser  
 210 215 220  
 Ala Phe Gly Phe Ser Leu Arg Gly Ala Val Asp Ile Asp Asp Asn Gly  
 225 230 235 240  
 Tyr Pro Asp Leu Ile Val Gly Ala Tyr Gly Ala Asn Gln Val Ala Val  
 245 250 255  
 Tyr Arg Ala Gln Pro Val Val Lys Ala Ser Val Gln Leu Leu Val Gln  
 260 265 270  
 Asp Ser Leu Asn Pro Ala Val Lys Ser Cys Val Leu Pro Gln  
 275 280 285

<210> 4

<211> 864

<212> DNA

<213> Homo sapiens

<400> 4

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 ctgatcaacc tgggttcaggg gcagctgcag actcgccagg ccagttccat ctatgatgac 120  
 agctacctag gatactctgt ggctgttggt gaattcagtg gtgatgacac agaagacttt 180  
 gttgctggtg tgcccaaagg gaacctcact tacggctatg tcaccatcct taatggctca 240  
 gacattcgat ccctctacaa cttctcaggg gaacagatgg cctcctactt tggctatgca 300  
 gtggccgcca cagacgtcaa tggggacggg ctggatgact tgctgggtggg ggcacccctg 360  
 ctcatggatc ggacccctga cgggcggcct caggaggtgg gcaggggtcta cgtctacctg 420  
 cagcaccag ccggcataga gccacgccc acccttacct tcaactggcca tgatgagttt 480  
 ggccgatttg gcagctcctt gaccccccctg ggggacctgg accaggatgg ctacaatgat 540  
 gtggccatcg gggctccctt tgggtggggag acccagcagg gagtagtggt tgtatttcct 600  
 gggggcccag gagggtcggg ctctaagcct tcccagggtt tgcagcccct gtgggcagcc 660  
 agccacaccc cagacttctt tggctctgcc cttcgaggag gccgagacct ggatggcaat 720  
 ggatatcctg atctgattgt ggggtccctt ggtgtggaca aggctgtggt atacaggggc 780  
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 gagcggagct gcagcttaga gggg 864

<210> 5  
 <211> 858  
 <212> DNA  
 <213> Homo sapiens

<400> 5  
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 tacagcatca agtataataa ccaattagca actcggactg cacaagctat ttttgatgac 120  
 agctatttgg gttattctgt ggctgtcgga gatttcaatg gtgatggcat agatgacttt 180  
 gtttcaggag ttccaagagc agcaaggact ttgggaatgg tttatatatta tgatgggaag 240  
 aacatgtcct ccttatacaa ttttactggc gagcagatgg ctgcatattt cggattttct 300  
 gtagctgcca ctgacattaa tggagatgat tatgcagatg tgtttattgg agcacctctc 360  
 ttcattggatc gtggctctga tggcaaaactc caagagggtgg ggcagggtctc agtgtctcta 420  
 cagagagctt caggagactt ccagacgaca aagctgaatg gatttgaggt ctttgcacgg 480  
 tttggcagtg ccatagctcc tttgggagat ctggaccagg atggtttcaa tgatattgca 540  
 attgtctgctc catatggggg tgaagataaa aaaggaattg tttatatctt caatggaaga 600  
 tcaacagggt tgaacgcagt cccatctcaa atccttgaag ggcagtgggc tgctcgaagc 660  
 atgccaccaa gctttggcta ttcaatgaaa ggagccacag atatatagcaa aaatggatat 720  
 ccagacttaa ttgtaggagc ttttgggtga gatcgagcta tcttatacag ggccagacca 780  
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 acctgctcac tgctgga 858

<210> 6  
 <211> 858  
 <212> DNA  
 <213> Homo sapiens

<400> 6  
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 gacggctact ggggggtactc ggtggccgtg ggcgagttcg acggggatct caacactaca 180  
 gaatatgtcg tcggtgcccc cacttggagc tggaccctgg gagcgggtgga aattttggat 240  
 tcctactacc agaggctgca tcggctgctc gcagagcaga tggcgtcgta ttttgggcat 300  
 tcagtggctg tcaactgacgt caacggggat gggaggcatg atctgctggg gggcgctcca 360  
 ctgtatatgg agagccgggc agaccgaaaa ctggccgaag tggggcgtgt gtatttggtc 420  
 ctgcagccgc gagggcccca cgcgctgggt gcccccagcc tcctgctgac tggcacacag 480  
 ctctatgggc gattcggtc tgccatcgca cccctgggcg acctcgaccg ggatggctac 540  
 aatgacattg cagtggctgc cccctacggg ggtcccagtg gccggggcca agtgcgtgtg 600  
 ttcttgggtc agagtgaggg gctgaggtca cgtccctccc aggtcctgga cagccccttc 660  
 cccacaggct ctgccttttg cttctccctt cgaggtgccg tagacatcga tgacaacgga 720  
 taccagacc tgatcgtggg agcttacggg gccaccagg tggctgtgta cagagctcag 780  
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 agctgtgtcc tacctcag 858

<210> 7  
 <211> 33  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 nucleotide sequence

<400> 7  
 gacccgggtg gtggtgggtg tgggtgggtg ggt

<210> 8  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 8  
Asp Pro Gly Gly Gly Gly Gly Gly Gly Gly Gly  
1 5 10

<210> 9  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 9  
Ile Glu Gly Arg  
1

<210> 10  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 10  
Leu Val Pro Arg  
1

<210> 11  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 11  
Leu Val Pro Arg Gly Ser  
1 5

<210> 12  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 6xHis tag

<400> 12  
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 1 5

<210> 13  
 <211> 39  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 primer

<400> 13  
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39

<210> 14  
 <211> 34  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 primer

<400> 14  
 cgacggaatt ctgcgatgaa gtgtccttgg ccag

34

<210> 15  
 <211> 41  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 primer

<400> 15  
 cgagctaagg cgagctcaat ggaaggcatt agcatttata c

41

<210> 16  
 <211> 39  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
primer

<400> 16

cgacggccca agcttgctgc tatgaaagct gctgctttc

39